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 HENKEL KGAA *DE 4007-601-A
 09.03.90-DE-007601 (12.09.91) 801j-02/20 829b-09/06 C11d-01/72
 C11d-03/10 C11d-11
 Free flowing granular detergent prodn. - by extruding mixt. of
 detergent components and plasticiser and/or lubricant through
 bores in ceramic plate
 C91.122299

A mixt. of at least partly solid detergent components with
 added plasticiser and/or lubricant is extracted under at
 least 25 bar pressure through concentric rows of bores (6)
 in a circular plate formed of ceramic.

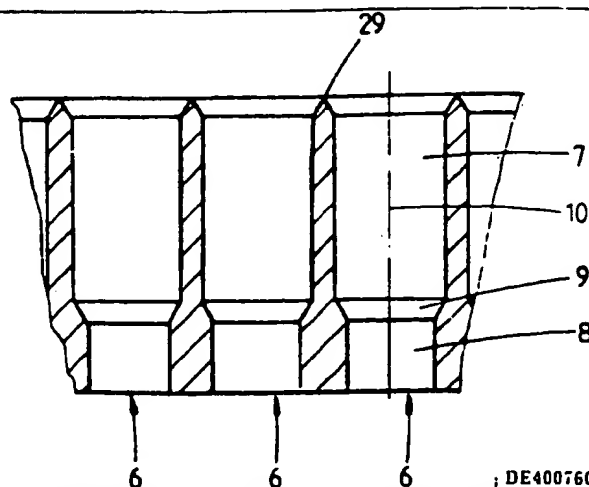
Each bore has an inlet zone (7) of length:dia. ratio
 from 1.5-6.0 and followed, after an intermediate sloped
 connection (9) angled at 20-85 (esp. 40-80)° by an outlet
 zone (8) of smaller dia. and with length:dia. ratio from
 0.3-2.

Extrusion temp. is 25-75 (esp. 30-70)°C and the
 emerging strands are abruptly air-cooled during and or
 before their immediate formation by a rotary cutter into
 small lengths of regular sized granulate.

USE/ADVANTAGE

For fabric washing processes. Granules are uniformly
 sized and free-flowing. (17pp1480DAHDwgNo9/11).

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